

# PATENT SPECIFICATION

DRAWINGS ATTACHED

855,537



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## COMPLETE SPECIFICATION

### Improvements in or relating to Sanitary Tampons

I, ROBERT RYBAR, of Bergstrasse, Pitten, Austria, a citizen of Austria, do hereby declare the invention, for which I pray that a patent may be granted to me, and the method by which it is to be performed, to be particularly described in and by the following statement:—

This invention relates to a sanitary tampon of that known type which is intended to be gripped between the labia majora and consists of a spirally wound strip of absorbent material such as wadding. In these tampons the several turns of the package must lie firmly one on the other in order to avoid fraying and to retain shape. This has the disadvantage, however, that the absorption capacity is much reduced and the secretion can penetrate only the outer layers of the package so that only a small amount of secretion can be absorbed. For this reason the interior of these tampons is not fully utilized.

The invention provides a tampon of this type in which the absorption capacity, for a given size of tampon, is increased by an increase in its surface area.

This is achieved according to the invention in that the strip is provided with through holes extending at least approximately at right angles to the axis of the tampon and/or with short cuts extending through the tampon and disposed in rows in planes passing through the axis of the tampon. In addition to the increase in surface area, the loosening of the tightly rolled strip at the cuts and holes acts also to provide an increase in absorption capacity.

In sanitary towels which are suspended by a girdle it is known to provide an outer layer, consisting of foamed rubber and intended to contact the genital part, with holes in order to facilitate the penetration of the secretion into the interior of the towel, which is filled with cellulose wadding, and to increase the absorption capacity.

In tampons according to the invention, which are worn without fastening means and are only gripped, such holes and cuts are new and have

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the special advantage that they not only increase the absorption capacity of the tampon but also contribute to the firm holding thereof because the mucous membranes of the labia penetrate the holes and cuts so that slipping is safely prevented.

Some illustrative embodiments of such tampons will be explained more fully hereinafter with reference to the accompanying drawing, in which Figs. 1 to 3 show three different tampons according to the invention.

Fig. 1 shows a tampon 1 consisting of a rolled-up strip of wadding wrapped in a net-like gauze. This tampon is provided with through holes 2 extending at right angles to the axis of the tampon, and disposed in rows in planes passing through the axis, to increase the area of the absorbent surface and to improve the hold on the body. The strip of wadding may be wound on a core, e.g., of cellulose wadding.

Fig. 2 shows a tampon which is contained in an enclosing net-like gauze 4 and which has a multiplicity of longitudinally extending cuts 5, arranged in similar manner to the holes 2 and serving the same purpose as the holes 2.

Fig. 3 shows a tampon which consists of a spirally wound strip of wadding compressed so as to be of oval sectional area, which is wrapped in a net-like gauze and in the surface of which several rows of short cuts 7 alternating with holes 6 are provided on opposite faces. The holes and cuts are similarly arranged to the holes 2 and cuts 5 and serve the same purpose.

#### WHAT I CLAIM IS:—

1. A sanitary tampon which is intended to be gripped between the labia majora without fastening means, characterized in that it consists of a spirally wound strip of absorbent material, which strip is provided with through holes extending at least approximately at right angles to the axis of the tampon and/or with short cuts extending through the tampon and disposed in rows in planes passing through the axis of the tampon.

2. A sanitary tampon substantially as described hereinbefore with reference to and as shown in Figs. 1, 2 or 3 of the accompanying drawing.

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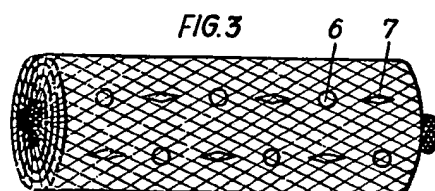
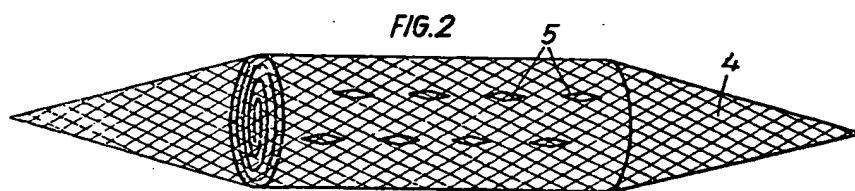
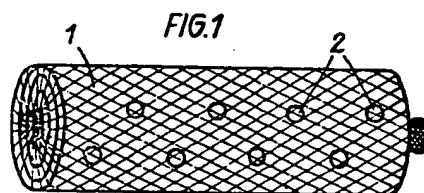
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1 SHEET

COMPLETE SPECIFICATION

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